

Material Safety Data Sheet

Florida Beach Sand

SECTION I – IDENTIFICATION

Manufacturer's Name Natural Beach Sand

Address River City Landscape Supply, Inc.
#1 Riverview Ave.
Sauget, IL 62201

Phone: 1-800-448-4013

Identity of Material
Natural Sand

Contact the Safety Director at the above address and phone should you have any questions regarding the product.

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Dust may contain silica particles

Exposure limits are expressed as milligrams of substance per cubic meter of air (mg/m^3), 8-hour time weighted averages. Respirable dust exposure limits vary with the % quartz in dust.

Respirable crystalline silica (quartz): ACGIH TLV, OSHA PEL, = 0.1

Respirable dust: $10 + (\% \text{ respirable quartz} + 2)$. Total dust: MSHA $30 + (\% \text{ quartz} + 3)$

Other particulates ("Nuisance" dust): ACGIH TLV, MSHA = 10; OSHA PEL = 5 (Respirable dust), 15 (Total Dust)

SECTION III – PHYSICAL DATA

	Components
Appearance and Odor	Angular, round multi-colored particles, odorless
Boiling Point	N/A
Melting Point	N/A
Solubility in Water	Negligible
Vapor Pressure	N/A
Vapor Density	N/A
Evaporation Rate	N/A
% Volatile	N/A
Specific Gravity	2.55 – 2.80

SECTION IV – FIRE and EXPLOSION HAZARD DATA

Flash Point	N/A
LEL/UEL	N/A
Fire & Explosion Hazard	N/A
Flammability Limits (%Vol)	
Special Fire Fighting Instructions	Noncombustible
Unusual Explosion Hazards	None Known

SECTION V – REACTIVITY DATA

Stability	Stable
Incompatibility	Contact with powerful oxidizing agents such as fluorine, chlorine
Hazardous Decomposition Products	Silica will dissolve in hydrofluoric acid and produce a corrosive gas silicon tetrafluoride.
Hazardous Polymerization	Will Not Occur
Comments	

SECTION VI – HEALTH HAZARD INFORMATION

Primary Route of Entry: Inhalation

Health Hazards: Acute exposure to dust may irritate respiratory system, eyes and skin. Chronic exposure to respirable quartz (in excess of exposure limits) could cause silicosis. Sand, or sand and gravel is not listed on the NTP, IARC or OSHA lists of carcinogens, crystalline silica, a major component of this product is listed by IARC and NTP but not OSHA. IARC has determined that there is sufficient evidence for carcinogenicity to experimental animals exposed to crystalline silica and limited evidence for carcinogenicity to humans. "Limited Evidence" means that a causal relationship is possible, however, other explanations such as chance, bias or confounding factors cannot adequately be excluded. The NTP in its sixth annual report on carcinogens, identified respirable crystalline silica as a substance which may reasonably be anticipated to be a carcinogen. For the purpose of the report, these substances are defined as those for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Signs and Symptoms of Exposure:

Symptoms of silicosis may include shortness of breath, difficulty breathing with/without exertion, coughing, diminished work capacity, reduction of lung volume and right heart enlargement.

Medical Conditions Generally Aggravated by Exposure:

Inhaling respirable dust may aggravate existing respiratory system disease(s) and/or dysfunctions. Exposure to dust may aggravate existing skin/eye conditions.

SECTION VII – EMERGENCY FIRST AID PROCEDURES

Inhalation	Move to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists.
Skin Contact	If irritation develops, remove contaminated clothing immediately and wash contaminated skin with soap or mild detergent and water for five minutes. Seek medical attention if deemed necessary.
Eye Contact	Immediately wash eyes with large amounts of water for fifteen minutes, occasionally lifting the upper and lower lids. Seek medical attention if deemed necessary.
Ingestion	Seek medical attention if deemed necessary.

SECTION VIII – SPILL, LEAK AND DISPOSAL

Action to take for spills:	N/A
Waste disposal method:	N/A

SECTION IX – SPECIAL HANDLING INFORMATION

Ventilation	Ventilation, as described in the Industrial Ventilation Manual produced by the American Conference of Governmental Industrial Hygienists, shall be provided in areas where exposures are above the permissible limits or threshold limit values specified by OSHA or other Local State and Federal regulations.
Respiratory Protection	NIOSH-MSHA approved dust respirator for conditions where dust levels exceed applicable exposure limits. Respirator use must comply with applicable standards, which include provisions for a user training program, respirator repair and cleaning respirator, fit testing and other requirements.
Protective Clothing	Use appropriate protective clothing: Wear long sleeve shirt, long pants and protective gloves to prevent skin contact. Wash work clothes frequently.
Eye Protection	Use safety glasses and/or tight fitting goggles.
Ingestion	Hands should be thoroughly cleaned with soap and water prior to eating or smoking and food should not be consumed in the work area. Product should never be placed in the mouth.

SECTION X – ADDITIONAL INFORMATION

Precautions to be taken in Handling and Storage:

Steps to be Taken in Case Material is Released or Spilled:

Spilled materials, where dust can be generated, may overexpose cleanup personnel to respirable dust. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

Waste Disposal Method:

Pick up and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state and local laws and regulations.

Precautions to be Taken in Handling and Storage:

Respirable dust may be generated during handling and storage. Wetting of material and/or use of respiratory protective equipment may be necessary.

DOT Information

Hazardous material proper shipping name:	N/A
Hazard Class:	N/A
Identification Number:	N/A

EPA Hazard Waste Number:	N/A
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All data are subject to reasonable variation. This information is supplied in good faith by the Elmhurst-Chicago Stone Company.

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